

Material	Layer thickness (nm)
SiO ₂	30.00
Al:TiO ₂	113.94
SiO ₂	29.73
Al:TiO ₂	108.85
SiO ₂	130.32
Al:TiO ₂	94.38
SiO ₂	102.40
Al:TiO ₂	96.95
SiO ₂	125.72
Al:TiO ₂	96.46
SiO ₂	129.53
Al:TiO ₂	80.73
SiO ₂	127.15
Al:TiO ₂	89.51
SiO ₂	118.31
Al:TiO ₂	88.22
SiO ₂	99.11
Al:TiO ₂	60.17
SiO ₂	52.51
Al:TiO ₂	91.40
SiO ₂	105.32
Al:TiO ₂	64.94
SiO ₂	119.08
Al:TiO ₂	70.22
SiO ₂	77.60
Al:TiO ₂	58.46
SiO ₂	97.38
Al:TiO ₂	78.59
SiO ₂	107.96
Al:TiO ₂	57.55
SiO ₂	61.97
Al:TiO ₂	42.35
SiO ₂	94.20
Al:TiO ₂	52.25
SiO ₂	68.78
Al:TiO ₂	47.56
SiO ₂	89.22
Al:TiO ₂	54.35
SiO ₂	64.90
Al:TiO ₂	40.70
SiO ₂	88.57
Al:TiO ₂	46.89
SiO ₂	77.06

Fig. 1 Reflector coating

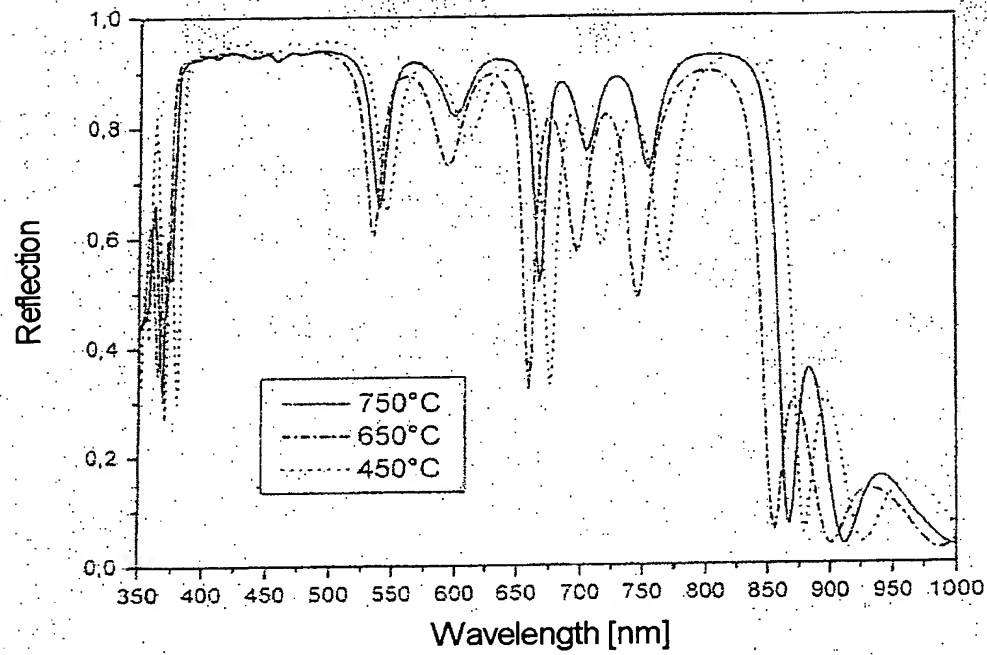


Fig. 2 Reflection properties of the reflector

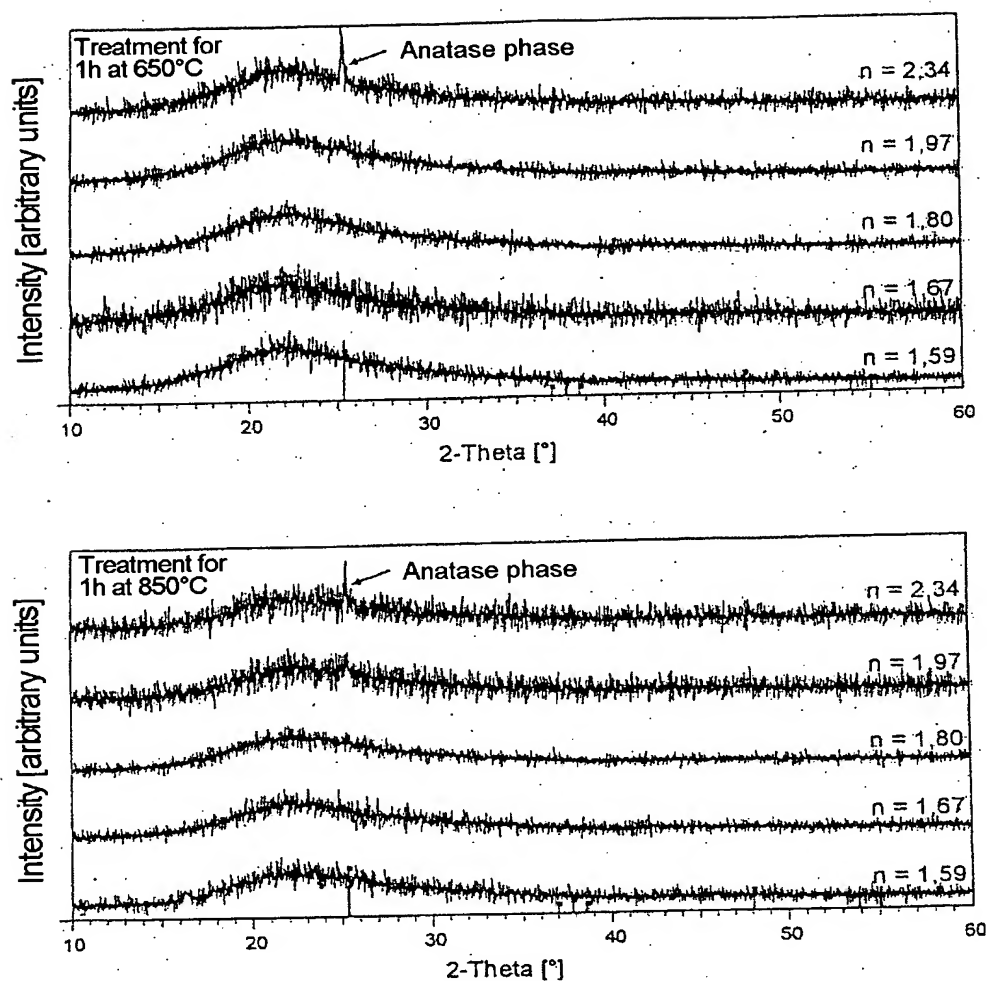


Fig. 3 Diffraction patterns of titanium aluminum oxide layers

Ti [Atom%]	Al [Atom%]	Ti:Al	n
3.76	0.98	3.84:1	2.34
2.83	3.98	1:1.41	1.97
2.24	6.5	1:2.9	1.8
1.85	8.95	1:4.84	1.67
0.57	13.13	1:23	1.587

Fig. 4 Overview of Fig. 3